

=> b medline caplus lifesci embase uspatfull biosis
COST IN U.S. DOLLARS SINCE FILE TOTAL
FULL ESTIMATED COST ENTRY SESSION
0.21 0.21

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FILE 'BIOSIS' ENTERED AT 19:53:10 ON 08 JAN 2003
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=> s smad6 and (hoxc()8)
L1 13 SMAD6 AND (HOXC(W) 8)

=> dup rem l1
PROCESSING COMPLETED FOR L1
L2 5 DUP REM L1 (8 DUPLICATES REMOVED)

=> d l2 ibib abs tot

L2 ANSWER 1 OF 5 MEDLINE DUPLICATE 1
ACCESSION NUMBER: 2002113327 MEDLINE
DOCUMENT NUMBER: 21683518 PubMed ID: 11711531
TITLE: A nuclear antagonistic mechanism of inhibitory Smads in
transforming growth factor-beta signaling.
AUTHOR: Bai Shuting; Cao Xu
CORPORATE SOURCE: Department of Pathology, University of Alabama at
Birmingham School of Medicine, Birmingham, Alabama 35294,
USA.
CONTRACT NUMBER: DK 53757 (NIDDK)
DK 57501 (NIDDK)
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (2002 Feb 8) 277 (6)
4176-82.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200203
ENTRY DATE: Entered STN: 20020216
Last Updated on STN: 20030105
Entered Medline: 20020305

AB Inhibitory Smads (I-Smads), including ***Smad6*** and Smad7, were initially characterized as cytoplasmic antagonists in the transforming growth factor-beta signaling pathway. However, I-Smads are also localized in the nucleus. Previously, we have shown that ***Smad6*** can function as a transcriptional co-repressor. In this study, we found both ***Smad6*** and Smad7 interact with histone deacetylases (HDACs). Acetylation state of core histones plays a critical role in gene transcription regulation. An HDAC inhibitor, trichostatin A, released ***Smad6*** -mediated transcription repression. Moreover, class I HDACs (HDAC-1 and -3), not class II HDACs (HDAC-4, -5, and -6), were co-immunoprecipitated with ***Smad6***. Endogenous HDAC-1 was also shown to interact with both ***Smad6*** and ***Hoxc*** - ***8***. Mapping of the interaction domain indicates ***Smad6*** MH2 domain is mainly involved in recruiting HDAC-1. Most interestingly, ***Smad6*** also binds to DNA through its MH1 domain, and the MH2 domain of ***Smad6*** masks this binding activity, indicating that ***Smad6*** MH1 and MH2 domains associate reciprocally and inhibit each other's function. ***Hoxc*** - ***8*** induces ***Smad6*** binding to DNA as a transcriptional complex. Our findings revealed that I-Smads act

L2 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2001:115270 CAPLUS
 DOCUMENT NUMBER: 134:158510
 TITLE: The interaction of ***Smad6*** with Hox proteins and BMB signalling and uses thereof in regulation of bone formation
 INVENTOR(S): Cao, Xu; Shi, Xingming; Bai, Shuting
 PATENT ASSIGNEE(S): UAB Research Foundation, USA
 SOURCE: PCT Int. Appl., 34 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001011013	A2	20010215	WO 2000-US40563	20000803
WO 2001011013	A3	20010517		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 2000076277	A5	20010305	AU 2000-76277	20000803
PRIORITY APPLN. INFO.:			US 1999-147161P	P 19990804
			WO 2000-US40563	W 20000803

AB The present invention describes a novel interaction between ***Smad6*** and the Hox genes in nuclear transcriptional regulation. It was shown that ***Smad6*** interacts with ***Hoxc*** - ***8*** as a transcriptional corepressor, inhibiting bone morphogenetic protein (BMP) signaling in the nucleus. The present invention further provides methods of using this novel ***Smad6*** /Hox protein interaction to regulate gene expression, regulate bone formation and control osteoporosis. Further provided are methods of screening for compds. that interfere with the novel ***Smad6*** /Hox protein interaction, thereby resulting in expression of a Hox protein-repressed gene and/or stimulating bone formation.

L2 ANSWER 3 OF 5 MEDLINE DUPLICATE 2
 ACCESSION NUMBER: 2000187528 MEDLINE
 DOCUMENT NUMBER: 20187528 PubMed ID: 10722652
 TITLE: ***Smad6*** as a transcriptional corepressor.
 AUTHOR: Bai S; Shi X; Yang X; Cao X
 CORPORATE SOURCE: Department of Pathology, University of Alabama School of Medicine, Birmingham, Alabama 35294, USA.
 CONTRACT NUMBER: DK53757 (NIDDK)
 SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (2000 Mar 24) 275 (12) 8267-70.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 200004
 ENTRY DATE: Entered STN: 20000505
 Last Updated on STN: 20000505
 Entered Medline: 20000427

AB ***Smad6*** and Smad7, a subgroup of Smad proteins, antagonize the signals elicited by transforming growth factor-beta. These two Smads, induced by transforming growth factor-beta or bone morphogenetic protein (BMP) stimulation, form stable associations with their activated type I receptors, blocking phosphorylation of receptor-regulated Smads in the cytoplasm. Here we show that ***Smad6*** interacts with homeobox (Hox) c-8 as a transcriptional corepressor, inhibiting BMP signaling in the nucleus. The interaction between ***Smad6*** and ***Hoxc*** - ***8*** was identified by a yeast two-hybrid approach and further demonstrated by co-immunoprecipitation assays in cells. Gel shift assays show that ***Smad6***, but not Smad7, interacts with both ***Hoxc*** - ***8*** and Hoxa-9 as a heterodimer when binding to DNA. More importantly, the ***Smad6*** - ***Hoxc*** - ***8*** complex

• Smad1-induced transcription activity. These data indicate that ***Smad6*** interacts with Hox transcription factors as part of the negative feedback circuit in the BMP signaling pathway.

L2 ANSWER 4 OF 5 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2000:408840 BIOSIS
DOCUMENT NUMBER: PREV200000408840
TITLE: Histone deacetylase (HDAC) mediates ***Smad6*** repressive function in BMP signaling pathway.
AUTHOR(S): Bai, S. (1); Cao, X. (1)
CORPORATE SOURCE: (1) Pathology, University of Alabama at Birmingham, Birmingham, AL USA
SOURCE: Journal of Bone and Mineral Research, (September, 2000) Vol. 15, No. Suppl. 1, pp. S205. print.
Meeting Info.: Twenty-Second Annual Meeting of the American Society for Bone and Mineral Research Toronto, Ontario, Canada September 22-26, 2000 American Society for Bone and Mineral Research
. ISSN: 0884-0431.
DOCUMENT TYPE: Conference
LANGUAGE: English
SUMMARY LANGUAGE: English

L2 ANSWER 5 OF 5 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1999:431055 BIOSIS
DOCUMENT NUMBER: PREV199900431055
TITLE: ***Smad6*** interacts with ***Hoxc*** - ***8*** as a transcriptional co-repressor in BMP signaling.
AUTHOR(S): Bai, Shuting (1); Shi, Xingming (1); Yang, Xiangli (1); Cao, Xu (1)
CORPORATE SOURCE: (1) Pathology, University of Alabama at Birmingham, Birmingham, AL USA
SOURCE: Journal of Bone and Mineral Research, (Sept., 1999) Vol. 14, No. SUPPL. 1, pp. S146.
Meeting Info.: Twenty-First Annual Meeting of the American Society for Bone and Mineral Research St. Louis, Missouri, USA September 30-October 4, 1999 American Society for Bone and Mineral Research
. ISSN: 0884-0431.
DOCUMENT TYPE: Conference
LANGUAGE: English

=> e cao ?/au
E1 3 CANZUTTI ROBERTO/AU
E2 20 CAO/AU
E3 0 --> CAO ?/AU
E4 1181 CAO A/AU
E5 2 CAO A */AU
E6 1 CAO A H/AU
E7 1 CAO A M/AU
E8 1 CAO A X/AU
E9 1 CAO A Y/AU
E10 1 CAO AHI RONG/AU
E11 1 CAO AI HUA/AU
E12 1 CAO AI HUAN/AU

=> e cao x?/au
E1 32 CAO X Y/AU
E2 5 CAO X Z/AU
E3 0 --> CAO X?/AU
E4 1 CAO XEIJUN/AU
E5 1 CAO XEULI/AU
E6 2 CAO XI/AU
E7 20 CAO XI CHUAN/AU
E8 1 CAO XI HUI/AU
E9 1 CAO XI KANG/AU
E10 1 CAO XI NAN/AU
E11 6 CAO XI QING/AU
E12 2 CAO XI REN/AU

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E1 2 CAO XIZHONG/AU
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E3 80 --> CAO XU/AU
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E6 3 CAO XU LONG/AU
E7 2 CAO XU NI/AU
E8 1 CAO XU YAN/AU
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E10 1 CAO XUAN A N/AU
E11 16 CAO XUAN AN/AU
E12 3 CAO XUAN CAN/AU

=> s e3
L3 80 "CAO XU"/AU

=> dup rem 13
PROCESSING COMPLETED FOR L3
L4 45 DUP REM L3 (35 DUPLICATES REMOVED)

=> d 14 ibib

L4 ANSWER 1 OF 45 USPATFULL
ACCESSION NUMBER: 2002:157630 USPATFULL
TITLE: Inhibition of binding of hox and homeodomain-containing
proteins and uses thereof
INVENTOR(S): ***Cao, Xu***, Birmingham, AL, UNITED STATES
Shi, Xingming, Birmingham, AL, UNITED STATES
Yang, Xiangli, Birmingham, AL, UNITED STATES
PATENT ASSIGNEE(S): UAB Research Foundation (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002082235	A1	20020627
APPLICATION INFO.:	US 2001-943724	A1	20010831 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1999-286682, filed on 5 Apr 1999, GRANTED, Pat. No. US 6284464		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-80859P	19980406 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Dr. Benjamin Adler, Adler & Associates, 8011 Candle Lane, Houston, TX, 77071	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	22 Drawing Page(s)	
LINE COUNT:	1328	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

=> d 14 ibib 2-45

L4 ANSWER 2 OF 45 MEDLINE DUPLICATE 1
ACCESSION NUMBER: 2002675372 MEDLINE
DOCUMENT NUMBER: 22323315 PubMed ID: 12270938
TITLE: Regulation of Hex gene expression by a Smads-dependent
signaling pathway.
AUTHOR: Zhang Wenjun; Yatskivych Tatiana A; ***Cao Xu*** ;
Antin Parker B
CORPORATE SOURCE: Department of Cell Biology and Anatomy, University of
Arizona, Tucson 85724, USA.
CONTRACT NUMBER: HL54133 (NHLBI)
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (2002 Nov 22) 277 (47)
45435-41.
PUB. COUNTRY: Journal code: 2985121R. ISSN: 0021-9258.
DOCUMENT TYPE: United States
LANGUAGE: Journal; Article; (JOURNAL ARTICLE)
FILE SEGMENT: English
ENTRY MONTH: Priority Journals
200301
ENTRY DATE: Entered STN: 20021119
Last Updated on STN: 20030108
Entered Medline: 20030107

L4 ANSWER 3 OF 45 MEDLINE DUPLICATE 2
ACCESSION NUMBER: 2002113327 MEDLINE
DOCUMENT NUMBER: 21683518 PubMed ID: 11711531
TITLE: A nuclear antagonistic mechanism of inhibitory Smads in
transforming growth factor-beta signaling.

CORPORATE SOURCE: Department of Pathology, University of Alabama at Birmingham School of Medicine, Birmingham, Alabama 35294, USA.
CONTRACT NUMBER: DK 53757 (NIDDK)
DK 57501 (NIDDK)
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (2002 Feb 8) 277 (6) 4176-82.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200203
ENTRY DATE: Entered STN: 20020216
Last Updated on STN: 20030105
Entered Medline: 20020305

L4 ANSWER 4 OF 45 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2002:369793 BIOSIS
DOCUMENT NUMBER: PREV200200369793
TITLE: Regulation of cGMP-dependent protein kinase I-alpha (PKG-Ialpha) promoter by nitric oxide and cyclic nucleotide.
AUTHOR(S): Sellak, Hassan (1); Yang, Xiangli (1); ***Cao, Xu (1)*** ; Cornwell, Trudy (1); Soff, Gerald; Lincoln, Thomas (1)
(1) Pathology, University of Alabama in Birmingham, 1670 University Boulevard, Birmingham, AL, 35294 USA
CORPORATE SOURCE: FASEB Journal, (March 22, 2002) Vol. 16, No. 5, pp. A913.
http://www.fasebj.org/. print.
SOURCE: Meeting Info.: Annual Meeting of Professional Research Scientists on Experimental Biology New Orleans, Louisiana, USA April 20-24, 2002
ISSN: 0892-6638.
DOCUMENT TYPE: Conference
LANGUAGE: English

L4 ANSWER 5 OF 45 MEDLINE DUPLICATE 3
ACCESSION NUMBER: 2002152171 MEDLINE
DOCUMENT NUMBER: 21881449 PubMed ID: 11884369
TITLE: Sp1 transcription factor as a molecular target for nitric oxide-- and cyclic nucleotide--mediated suppression of cGMP-dependent protein kinase-Ialpha expression in vascular smooth muscle cells.
AUTHOR: Sellak Hassan; Yang Xiangli; ***Cao Xu*** ; Cornwell Trudy; Soff Gerald A; Lincoln Thomas
CORPORATE SOURCE: Department of Molecular and Cellular Pathology, University of Alabama in Birmingham, 35294-0019, USA.
SOURCE: CIRCULATION RESEARCH, (2002 Mar 8) 90 (4) 405-12.
Journal code: 0047103. ISSN: 1524-4571.
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200203
ENTRY DATE: Entered STN: 20020311
Last Updated on STN: 20020324
Entered Medline: 20020322

L4 ANSWER 6 OF 45 MEDLINE DUPLICATE 4
ACCESSION NUMBER: 2002325062 MEDLINE
DOCUMENT NUMBER: 22062961 PubMed ID: 12067713
TITLE: PDGF induces osteoprotegerin expression in vascular smooth muscle cells by multiple signal pathways.
AUTHOR: Zhang Jifeng; Fu Mingui; Myles David; Zhu Xiaojun; Du Jie; ***Cao Xu*** ; Chen Yuqing E
CORPORATE SOURCE: Cardiovascular Research Institute, Morehouse School of Medicine, 720 Westview Drive SW, Atlanta, GA 30310, USA.
CONTRACT NUMBER: 5 UH1 HL03676-02 (NHLBI)
R01HL068878 (NHLBI)
S06GM08248 (NIGMS)
SOURCE: FEBS LETTERS, (2002 Jun 19) 521 (1-3) 180-4.
Journal code: 0155157. ISSN: 0014-5793.
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals

ENTRY DATE: Entered STN: 20020618
Last Updated on STN: 20020802
Entered Medline: 20020801

L4 ANSWER 7 OF 45 MEDLINE DUPLICATE 5
ACCESSION NUMBER: 2002177919 MEDLINE
DOCUMENT NUMBER: 21828771 PubMed ID: 11818334
TITLE: Jab1 antagonizes TGF-beta signaling by inducing Smad4 degradation.
AUTHOR: Wan Mei; Cao Xuesong; Wu Yalei; Bai Shuting; Wu Liyu; Shi Xingming; Wang Ning; ***Cao Xu***
CORPORATE SOURCE: Department of Pathology, University of Alabama at Birmingham School of Medicine, 1670 University Boulevard, VH G002, Birmingham, AL 35294-0019, USA.
CONTRACT NUMBER: DK53757 (NIDDK)
SOURCE: EMBO Rep, (2002 Feb) 3 (2) 171-6.
PUB. COUNTRY: Journal code: 100963049. ISSN: 1469-221X.
DOCUMENT TYPE: England: United Kingdom
LANGUAGE: Journal; Article; (JOURNAL ARTICLE)
FILE SEGMENT: English
ENTRY MONTH: Priority Journals
200206
ENTRY DATE: Entered STN: 20020326
Last Updated on STN: 20030105
Entered Medline: 20020617

L4 ANSWER 8 OF 45 USPATFULL DUPLICATE 6
ACCESSION NUMBER: 2001:147676 USPATFULL
TITLE: Inhibition of binding of Hox and homeodomain-containing proteins and uses thereof
INVENTOR(S): ***Cao, Xu***, Birmingham, AL, United States
Shi, Xingming, Birmingham, AL, United States
Yang, Xiangli, Birmingham, AL, United States
PATENT ASSIGNEE(S): UAB Research Foundation, Birmingham, AL, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6284464	B1	20010904
APPLICATION INFO.:	US 1999-286682		19990405 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-80859P	19980406 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Schwartzman, Robert A.	
LEGAL REPRESENTATIVE:	Adler, Benjamin Aaron	
NUMBER OF CLAIMS:	6	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	28 Drawing Figure(s); 22 Drawing Page(s)	
LINE COUNT:	1183	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 9 OF 45 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:115270 CAPLUS
DOCUMENT NUMBER: 134:158510
TITLE: The interaction of Smad6 with Hox proteins and BMB signalling and uses thereof in regulation of bone formation
INVENTOR(S): ***Cao, Xu***; Shi, Xingming; Bai, Shuting
PATENT ASSIGNEE(S): UAB Research Foundation, USA
SOURCE: PCT Int. Appl., 34 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001011013	A2	20010215	WO 2000-US40563	20000803
WO 2001011013	A3	20010517		

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,

MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,
TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU,
TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AU 2000076277 A5 20010305 AU 2000-76277 20000803

PRIORITY APPLN. INFO.: US 1999-147161P P 19990804
WO 2000-US40563 W 20000803

L4 ANSWER 10 OF 45 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 7
ACCESSION NUMBER: 2001:267736 CAPLUS
DOCUMENT NUMBER: 135:353612
TITLE: Transcriptional mechanisms of bone morphogenetic
protein-induced osteoprotegerin gene expression
AUTHOR(S): Wan, Mei; Shi, Xingming; Feng, Xu; ***Cao, Xu***
CORPORATE SOURCE: Department of Pathology, University of Alabama at
Birmingham, Birmingham, AL, 35294, USA
SOURCE: Journal of Biological Chemistry (2001), 276(13),
10119-10125
PUBLISHER: CODEN: JBCHA3; ISSN: 0021-9258
American Society for Biochemistry and Molecular
Biology
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 11 OF 45 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 8
ACCESSION NUMBER: 2001:61137 CAPLUS
TITLE: Hoxa-9 represses transforming growth
factor-.beta.-induced osteopontin gene transcription
AUTHOR(S): Shi, Xingming; Bai, Shuting; Li, Lina; ***Cao, Xu***
CORPORATE SOURCE: Department of Pathology, University of Alabama at
Birmingham, Birmingham, AL, 35294, USA
SOURCE: J. Biol. Chem. (2001), 276(1), 850-855
PUBLISHER: CODEN: JBCHA3; ISSN: 0021-9258
American Society for Biochemistry and Molecular
Biology
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 12 OF 45 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:476071 CAPLUS
DOCUMENT NUMBER: 135:190556
TITLE: Smad interactors in bone morphogenetic protein
signaling
AUTHOR(S): Yang, Xiangli; ***Cao, Xu***
CORPORATE SOURCE: Department of Pathology, University of Alabama,
Birmingham, AL, USA
SOURCE: Methods in Molecular Biology (Totowa, NJ, United
States) (2001), 177(Two-Hybrid Systems), 163-178
PUBLISHER: CODEN: MMBIED; ISSN: 1064-3745
Humana Press Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 13 OF 45 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2002:263625 BIOSIS
DOCUMENT NUMBER: PREV200200263625
TITLE: Regulation of cGMP-dependent protein kinase-Ialpha
(PKG-Ialpha) promoter by nitric oxide (NO) and cyclic
nucleotides.
AUTHOR(S): Sellak, Hassan (1); Yang, Xiangli (1); ***Cao, Xu (1)***
; Cornwell, Trudy (1); Soff, Gerald; Lincoln, Thomas
(1) Univ of Alabama at Birmingham, Birmingham, AL USA
CORPORATE SOURCE: Circulation, (October 23, 2001) Vol. 104, No. 17
SOURCE: Supplement, pp. II.122-II.123.
<http://circ.ahajournals.org/>. print.
Meeting Info.: Scientific Sessions 2001 of the American
Heart Association Anaheim, California, USA November 11-14,
2001

DOCUMENT TYPE: Conference
LANGUAGE: English

L4 ANSWER 14 OF 45 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 9
ACCESSION NUMBER: 2000:223453 CAPLUS
DOCUMENT NUMBER: 133:145823
TITLE: Smad6 as a transcriptional corepressor
AUTHOR(S): Bai, Shuting; Shi, Xingming; Yang, Xiangli; ***Cao,***

Xu***
CORPORATE SOURCE: Department of Pathology, University of Alabama School
of Medicine, Birmingham, AL, 35294, USA
SOURCE: Journal of Biological Chemistry (2000), 275(12),
8267-8270
CODEN: JBCHA3; ISSN: 0021-9258
PUBLISHER: American Society for Biochemistry and Molecular
Biology
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 15 OF 45 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 10
ACCESSION NUMBER: 2000:73323 CAPLUS
DOCUMENT NUMBER: 132:178572
TITLE: Smad1 domains interacting with Hoxc-8 induce
osteoblast differentiation
AUTHOR(S): Yang, Xiangli; Ji, Xiaohui; Shi, Xingming; ***Cao,***

Xu***
CORPORATE SOURCE: Department of Pathology, University of Alabama at
Birmingham, Birmingham, AL, 35294, USA
SOURCE: Journal of Biological Chemistry (2000), 275(2),
1065-1072
CODEN: JBCHA3; ISSN: 0021-9258
PUBLISHER: American Society for Biochemistry and Molecular
Biology
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 16 OF 45 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 11
ACCESSION NUMBER: 2000:102630 CAPLUS
DOCUMENT NUMBER: 132:217298
TITLE: Tandem repeat of C/EBP binding sites mediates
PPAR.gamma.2 gene transcription in
glucocorticoid-induced adipocyte differentiation
AUTHOR(S): Shi, Xing Ming; Blair, Harry C.; Yang, Xiangli;
McDonald, Jay M.; ***Cao, Xu***
CORPORATE SOURCE: Department of Pathology, University of Alabama at
Birmingham, Birmingham, AL, 35294, USA
SOURCE: Journal of Cellular Biochemistry (2000), 76(3),
518-527
CODEN: JCEBD5; ISSN: 0730-2312
PUBLISHER: Wiley-Liss, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 17 OF 45 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1999:659223 CAPLUS
DOCUMENT NUMBER: 131:295599
TITLE: Inhibition of binding of Hox and homeodomain-
containing proteins and a method for stimulating bone
formation
INVENTOR(S): ***Cao, Xu*** ; Shi, Xingming; Chang, Zhijie
PATENT ASSIGNEE(S): The UAB Research Foundation, USA
SOURCE: PCT Int. Appl., 79 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

CA 2324976 AA 19991014 CA 1999-2324976 19990405

AU 9934708 A1 19991025 AU 1999-34708 19990405

EP 1075255 A1 20010214 EP 1999-916373 19990405

R: BE, CH, DE, DK, FR, GB, IT, LI, NL, SE, IE

US 6284464 B1 20010904 US 1999-286682 19990405

JP 2002510620 T2 20020409 JP 2000-541988 19990405

NO 2000005022 A 20001204 NO 2000-5022 20001005

US 2002082235 A1 20020627 US 2001-943724 20010831

US 1998-80859P P 19980406

US 1999-286682 A3 19990405

WO 1999-US7455 W 19990405

PRIORITY APPLN. INFO.:

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 18 OF 45 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 12

ACCESSION NUMBER: 1999:317837 CAPLUS

DOCUMENT NUMBER: 131:98451

TITLE: Smad1 interacts with homeobox DNA-binding proteins in bone morphogenetic protein signaling

AUTHOR(S): Shi, Xingming; Yang, Xiangli; Chen, Di; Chang, Zhiye; ***Cao, Xu***

CORPORATE SOURCE: Department of Pathology, University of Alabama School of Medicine, Birmingham, AL, 35294, USA

SOURCE: Journal of Biological Chemistry (1999), 274(19), 13711-13717

CODEN: JBCHA3; ISSN: 0021-9258

PUBLISHER: American Society for Biochemistry and Molecular Biology

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 19 OF 45 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 13

ACCESSION NUMBER: 1999:134202 CAPLUS

DOCUMENT NUMBER: 130:321074

TITLE: Parathyroid Hormone-Regulated Production of Stem Cell Factor in Human Osteoblasts and Osteoblast-like Cells

AUTHOR(S): Blair, Harry C.; Julian, Bruce A.; ***Cao, Xu***; Jordan, S. Elizabeth; Dong, Sai-Sai

CORPORATE SOURCE: Departments of Pathology, School of Medicine and Veteran's Affairs Medical Center, University of

SOURCE: Alabama, Birmingham, AL, 35294, USA Biochemical and Biophysical Research Communications (1999), 255(3), 778-784

CODEN: BBRCA9; ISSN: 0006-291X

PUBLISHER: Academic Press

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 20 OF 45 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1999:453279 BIOSIS

DOCUMENT NUMBER: PREV199900453279

TITLE: MH1 domain of Smad4 interacts with Hox proteins and induces apoptosis in Smad4 deficient cells.

AUTHOR(S): Li, Lina (1); Wu, Xiaoyun; Liu, Hongmei; Shi, Xingming (1); ***Cao, Xu (1)***

CORPORATE SOURCE: (1) Dept. of Pathology, University of Alabama at Birmingham, Birmingham, AL USA

SOURCE: Journal of Bone and Mineral Research, (Sept., 1999) Vol. 14, No. SUPPL. 1, pp. S428.

Meeting Info.: Twenty-First Annual Meeting of the American Society for Bone and Mineral Research St. Louis, Missouri, USA September 30-October 4, 1999 American Society for Bone and Mineral Research

DOCUMENT TYPE: Conference
LANGUAGE: English

L4 ANSWER 21 OF 45 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1999:431055 BIOSIS
DOCUMENT NUMBER: PREV199900431055
TITLE: Smad6 interacts with Hoxc-8 as a transcriptional co-repressor in BMP signaling.
AUTHOR(S): Bai, Shuting (1); Shi, Xingming (1); Yang, Xiangli (1); ***Cao, Xu (1)***
CORPORATE SOURCE: (1) Pathology, University of Alabama at Birmingham, Birmingham, AL USA
SOURCE: Journal of Bone and Mineral Research, (Sept., 1999) vol. 14, No. SUPPL. 1, pp. S146.
Meeting Info.: Twenty-First Annual Meeting of the American Society for Bone and Mineral Research St. Louis, Missouri, USA September 30-October 4, 1999 American Society for Bone and Mineral Research
. ISSN: 0884-0431.

DOCUMENT TYPE: Conference
LANGUAGE: English

L4 ANSWER 22 OF 45 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 14
ACCESSION NUMBER: 1998:667079 CAPLUS
DOCUMENT NUMBER: 130:23331
TITLE: Nitric oxide-dependent induction of glutathione synthesis through increased expression of .gamma.-glutamylcysteine synthetase
AUTHOR(S): Moellering, Douglas; McAndrew, Joanne; Patel, Rakesh P.; Cornwell, Trudy; Lincoln, Tom; ***Cao, Xu*** ; Messina, Joseph L.; Forman, Henry Jay; Jo, Hanjoong; Darley-Usmar, Victor M.
CORPORATE SOURCE: Department of Pathology, Molecular and Cellular Division, Center for Free Radical Biology, University of Alabama at Birmingham, Birmingham, AL, 35294-0019, USA
SOURCE: Archives of Biochemistry and Biophysics (1998), 358(1), 74-82
CODEN: ABBIA4; ISSN: 0003-9861
PUBLISHER: Academic Press
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 23 OF 45 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 15
ACCESSION NUMBER: 1997:680706 CAPLUS
DOCUMENT NUMBER: 127:326808
TITLE: The mitogenic effect of parathyroid hormone is associated with E2F-dependent activation of cyclin-dependent kinase 1 (cdc2) in osteoblast precursors
AUTHOR(S): Onishi, Takehisa; Zhang, Wenyu; ***Cao, Xu*** ; Hruska, Keith
CORPORATE SOURCE: Renal Division, Barnes-Jewish Hospital/Washington University, St. Louis, MO, USA
SOURCE: Journal of Bone and Mineral Research (1997), 12(10), 1596-1605
CODEN: JBMREJ; ISSN: 0884-0431
PUBLISHER: Blackwell
DOCUMENT TYPE: Journal
LANGUAGE: English

L4 ANSWER 24 OF 45 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 16
ACCESSION NUMBER: 1996:528416 CAPLUS
DOCUMENT NUMBER: 125:187423
TITLE: Competition for a unique response element mediates retinoic acid inhibition of vitamin D3-stimulated transcription
AUTHOR(S): ***Cao, Xu*** ; Teitelbaum, Steven L.; Zhu, Hui-Jun; Zhang, Liming; Feng, Xu; Ross, F. Patrick
CORPORATE SOURCE: Dep. Pathology, Washington Univ. School of Medicine, St. Louis, MO, 63110, USA
SOURCE: Journal of Biological Chemistry (1996), 271(34), 20650-20654
CODEN: JBCHA3; ISSN: 0021-9258

Biology
Journal
English

DOCUMENT TYPE:
LANGUAGE:

L4 ANSWER 25 OF 45 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 17
ACCESSION NUMBER: 1996:610156 CAPLUS
DOCUMENT NUMBER: 125:293925
TITLE: Retinoic acid stimulates expression of the functional osteoclast integrin $\alpha.v.\beta.3$: transcriptional activation of the $\beta.3$ but not the $\alpha.v$ gene
AUTHOR(S): Chiba, Mirei; Teitelbaum, Steven L.; ***Cao, Xu*** ; Ross, F. Patrick
CORPORATE SOURCE: Med. Cent., Washington Univ., St. Louis, MO, 63110, USA
SOURCE: Journal of Cellular Biochemistry (1996), 62(4), 467-475
CODEN: JCEBD5; ISSN: 0730-2312
PUBLISHER: Wiley-Liss
DOCUMENT TYPE: Journal
LANGUAGE: English

L4 ANSWER 26 OF 45 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 18
ACCESSION NUMBER: 1996:340914 CAPLUS
DOCUMENT NUMBER: 125:54000
TITLE: Phorbol myristate acetate transactivates the avian $\beta.3$ integrin gene and induces $\alpha.v.\beta.3$ integrin expression
AUTHOR(S): Zhu, Hui-Jun; Ross, F. Patrick; ***Cao, Xu*** ; Teitelbaum, Steven L.
CORPORATE SOURCE: Dep. Pathology and Renal Div., Washington Univ. Sch. Med., St. Louis, MO, 63110, USA
SOURCE: Journal of Cellular Biochemistry (1996), 61(3), 420-429
CODEN: JCEBD5; ISSN: 0730-2312
PUBLISHER: Wiley-Liss
DOCUMENT TYPE: Journal
LANGUAGE: English

L4 ANSWER 27 OF 45 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 19
ACCESSION NUMBER: 1995:666484 CAPLUS
DOCUMENT NUMBER: 123:75128
TITLE: Estrogen enhances $\alpha.v.\beta.3$ integrin expression by avian osteoclast precursors via stabilization of $\beta.3$ integrin mRNA
AUTHOR(S): Li, Cheng-fu; Ross, F. Patrick; ***Cao, Xu*** ; Teitelbaum, Steven L.
CORPORATE SOURCE: Dep. Pathology, Washington Univ. Sch. Med., St. Louis, MO, 63110, USA
SOURCE: Molecular Endocrinology (1995), 9(7), 805-13
CODEN: MOENEN; ISSN: 0888-8809
PUBLISHER: Endocrine Society
DOCUMENT TYPE: Journal
LANGUAGE: English

L4 ANSWER 28 OF 45 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 20
ACCESSION NUMBER: 1995:657141 CAPLUS
DOCUMENT NUMBER: 123:80067
TITLE: Cellular and molecular mechanisms of bone resorption
AUTHOR(S): Teitelbaum, Steven L.; ***Cao, Xu*** ; Mimura, Hirohide; Chiba, Mirei; Ross, F. Patrick
CORPORATE SOURCE: Department of Pathology, Jewish Hospital at Washington University Medical Center, St. Louis, MO, USA
SOURCE: Mineral and Electrolyte Metabolism (1995), 21(1-3), 193-6
CODEN: MELMDI; ISSN: 0378-0392
PUBLISHER: Karger
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English

L4 ANSWER 29 OF 45 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 21
ACCESSION NUMBER: 1994:402359 CAPLUS
DOCUMENT NUMBER: 121:2359
TITLE: 1,25-Dihydroxyvitamin D₃ transcriptionally activates the $\beta.3$ -integrin subunit gene in avian osteoclast precursors
AUTHOR(S): Mimura, Hirohide; ***Cao, Xu*** ; Ross, F. Patrick;

CORPORATE SOURCE: Med. Cent., Washington Univ., St. Louis, MO, 63110, USA
SOURCE: Endocrinology (1994), 134(3), 1061-6
DOCUMENT TYPE: Journal
LANGUAGE: English

L4 ANSWER 30 OF 45 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1995:706122 CAPLUS
DOCUMENT NUMBER: 123:189384
TITLE: Regulation of integrin expression by 1,25 dihydroxyvitamin D₃
AUTHOR(S): Ross, F. Patrick; ***Cao, Xu*** ; Mimura, Hirohide; Chiba, Mirei; Teitelbaum, Steven L.
CORPORATE SOURCE: Jewish Hospital, Washington University, St. Louis, MO, 63110, USA
SOURCE: Proceedings of the Workshop on Vitamin D (1994), 9th(vitamin D), 273-81
PUBLISHER: CODEN: PWVDDU; ISSN: 0721-7110
DOCUMENT TYPE: de Gruyter
LANGUAGE: Journal; General Review
English

L4 ANSWER 31 OF 45 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 22
ACCESSION NUMBER: 1994:155241 CAPLUS
DOCUMENT NUMBER: 120:155241
TITLE: Cloning of the promoter for the avian integrin .beta.3 subunit gene and its regulation by 1,25-dihydroxyvitamin D₃
AUTHOR(S): ***Cao, Xu*** ; Ross, F. Patrick; Zhang, Liming; MacDonald, Paul N.; Chappel, Jean; Teitelbaum, Steven L.
CORPORATE SOURCE: Med. Cent., Washington Univ., St. Louis, MO, 63110, USA
SOURCE: Journal of Biological Chemistry (1993), 268(36), 27371-80
DOCUMENT TYPE: CODEN: JBCHA3; ISSN: 0021-9258
LANGUAGE: Journal
English

L4 ANSWER 32 OF 45 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1994:105062 BIOSIS
DOCUMENT NUMBER: PREV199497118062
TITLE: Characterization, cloning and expression of the 67-kDa annexin from chicken growth plate cartilage matrix vesicles.
AUTHOR(S): ***Cao, Xu*** ; Genge, Brian R.; Wu, Licia N. Y.; Buzzi, William R.; Showman, Richard M.; Wuthier, Roy E. (1)
CORPORATE SOURCE: (1) Lab. Biominerization Res., Dep. Chem. Biochem., Sch. Med., Univ. South Carolina, Columbia, SC 29210 USA
SOURCE: Biochemical and Biophysical Research Communications, (1993) Vol. 197, No. 2, pp. 556-561.
DOCUMENT TYPE: ISSN: 0006-291X.
LANGUAGE: Article
English

L4 ANSWER 33 OF 45 LIFESCI COPYRIGHT 2003 CSA
ACCESSION NUMBER: 94:7089 LIFESCI
TITLE: cDNA cloning of a mouse factor that activates transcription from a metal response element of the mouse metallothionein-I gene in yeast.
AUTHOR: ***Cao, Xu*** (Tsao Hsu)
CORPORATE SOURCE: Inst. Virol., Chinese Acad. Prev. Med., 100 Ying Xin Jie, Xuan Wu Qu, Beijing 100052, People's Rep. China
SOURCE: DNA CELL BIOL., (1993) vol. 12, no. 6, pp. 517-525.
DOCUMENT TYPE: ISSN: 1044-5498.
FILE SEGMENT: Journal
N; G
LANGUAGE: English
SUMMARY LANGUAGE: English

L4 ANSWER 34 OF 45 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1993:375867 BIOSIS
DOCUMENT NUMBER: PREV199345047292
TITLE: Steroids modulate expression of osteoclast integrins.
AUTHOR(S): Ross, F. Patrick; ***Cao, Xu*** ; Teitelbaum, Steven L.

SOURCE: Louis, MO 63110 USA
DOCUMENT TYPE: Conference
LANGUAGE: English
ACCESSION NUMBER: 1993:239910 BIOSIS
DOCUMENT NUMBER: PREV199344113110
TITLE: The beta-2 subunit of the integrin alpha-v-beta-3 is regulated transcriptionally and post-transcriptionally by both 1,25 dihydroxy D-3 and retinoic acid.
AUTHOR(S): Teitelbaum, Steven L.; ***Cao, Xu*** ; Chiba, Mirei; Mimura, Hirohide; Ross, F. Patrick
CORPORATE SOURCE: Jewish Hosp., Washington Univ. Med. Cent., St. Louis, MO 63110 USA
SOURCE: Journal of Cellular Biochemistry Supplement, (1993) vol. 0, No. 17 PART A, pp. 130.
Meeting Info.: Keystone Symposium on Transcription: Factors, Regulation and Differentiation Keystone, Colorado, USA January 17-24, 1993
ISSN: 0733-1959.

DOCUMENT TYPE: Conference
LANGUAGE: English
L4 ANSWER 36 OF 45 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 23
ACCESSION NUMBER: 1994:187049 CAPLUS
DOCUMENT NUMBER: 120:187049
TITLE: The OCT plasmid encodes D-lysine membrane transport and catabolic enzymes in *Pseudomonas putida*
AUTHOR(S): ***Cao, Xu*** ; Kolonay, James, Jr.; Saxton, Kellie A.; Hartline, Richard A.
CORPORATE SOURCE: Dep. Chem., Indiana Univ. Pennsylvania, Indiana, PA, 15705, USA
SOURCE: Plasmid (1993), 30(2), 83-9
CODEN: PLSMDX; ISSN: 0147-619X
DOCUMENT TYPE: Journal
LANGUAGE: English

L4 ANSWER 37 OF 45 LIFESCI COPYRIGHT 2003 CSA DUPLICATE 24
ACCESSION NUMBER: 93:103740 LIFESCI
TITLE: Cloning and structural-functional studies for 7.5k promoter of Tiantan strain of vaccinia virus.
AUTHOR: Wang, Shuang-Ping; Ruan, Li; Jin, Qi; ***Cao, Xu*** ; Zhu, Ji-Ming
CORPORATE SOURCE: Inst. Virol., Chinese Acad. Prevent. Med., Beijing 100052, People's Rep. China
SOURCE: SCI. CHINA (SER. B)., (1993) vol. 36, no. 1, pp. 60-67.
ISSN: 1001-652X.
DOCUMENT TYPE: Journal
FILE SEGMENT: V
LANGUAGE: English
SUMMARY LANGUAGE: English

L4 ANSWER 38 OF 45 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1993:248873 CAPLUS
DOCUMENT NUMBER: 118:248873
TITLE: Cloning and structural-functional studies for 7.5k promoter of Tiantan strain of vaccinia virus
AUTHOR(S): Wang, Shuangping; Ruan, Li; Jin, Qi; ***Cao, Xu*** ; Zhu, Jiming
CORPORATE SOURCE: Inst. Virol., Chin. Acad. Prev. Med., Beijing, 100052, Peop. Rep. China
SOURCE: Science in China, Series B: Chemistry, Life Sciences, & Earth Sciences (1993), 36(2), 60-7
CODEN: SCBSE5; ISSN: 1001-652X
DOCUMENT TYPE: Journal
LANGUAGE: English

L4 ANSWER 39 OF 45 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1994:317970 CAPLUS
DOCUMENT NUMBER: 120:317970

of the major lipid-dependent Ca²⁺-binding proteins of chicken growth plate cartilage matrix vesicles

Cao, Xu

Univ. South Carolina, Columbia, SC, USA

(1992) 98 pp. Avail.: Univ. Microfilms Int., Order

No. DA9239022

From: Diss. Abstr. Int. B 1993, 53(9), 4633

Dissertation

English

L4 ANSWER 40 OF 45 CAPLUS COPYRIGHT 2003 ACS

1993:209603 CAPLUS

118:209603

Establishment of the primary structure of the major lipid-dependent calcium binding proteins of chicken growth plate cartilage matrix vesicles: identity with anchorin CII (annexin V) and annexin II

Genge, Brian R.; ***Cao, Xu*** ; Wu, Licia N. Y.;

Buzzi, William R.; Showman, Richard W.; Arsenault, A.

Larry; Ishikawa, Yoshinori; Wuthier, Roy E.

Sch. Med., Univ. South Carolina, Columbia, SC, USA

Journal of Bone and Mineral Research (1992), 7(7),

807-19

CODEN: JBMREJ; ISSN: 0884-0431

Journal

English

L4 ANSWER 41 OF 45 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 25

1992:443008 CAPLUS

117:43008

Establishment of the primary structure of the two major matrix vesicle annexins by peptide and DNA sequencing

Genge, Brian; ***Cao, Xu*** ; Wu, Licia N. Y.;

Wuthier, Roy E.

Dep. Chem. Biochem., Univ. South Carolina, Columbia,

SC, USA

Bone and Mineral (1992), 17(2), 202-8

CODEN: BOMIET; ISSN: 0169-6009

Journal

English

L4 ANSWER 42 OF 45 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 26

1990:476020 CAPLUS

113:76020

Selection of recombinant vaccinia viruses (Tian Tan strain) expressing hepatitis B virus surface antigen by using .beta.-galactosidase as a marker

Liu, Gengqi; ***Cao, Xu*** ; Zhu, Jiming; Ren,

Guifang; Li, Hongmei; Xie, Yanxiang; Peng, Wei

Inst. Virol., Chin. Acad. Prevent. Med., Beijing,

100052, Peop. Rep. China

Science in China, Series B: Chemistry, Life Sciences, & Earth Sciences (1990), 33(2), 188-97

CODEN: SCBSE5; ISSN: 1001-652X

Journal

English

L4 ANSWER 43 OF 45 CAPLUS COPYRIGHT 2003 ACS

1990:230817 CAPLUS

112:230817

Development of a new system for selection of *A. foetidus* transformed with foreign genes by using thymidine kinase gene as a marker and expression of HBSAg gene in *A. foetidus*

Liu, Hongdi; ***Cao, Xu*** ; Wu, Xiaojun; Ruan, Li;

Liang, Pingyan

Inst. Microbiol., Acad. Sin., Beijing, Peop. Rep.

China

Weishengwu Xuebao (1990), 30(2), 98-104

CODEN: WSHPA8; ISSN: 0001-6209

Journal

Chinese

L4 ANSWER 44 OF 45 CAPLUS COPYRIGHT 2003 ACS

1990:173491 CAPLUS

TITLE: Isolation of a DNA fragment H8 promoter from
AUTHOR(S): Aspergillus foetidus
Liu, Hongdi; ***Cao, Xu*** ; Wu, Xiaojun; Jin, Qi;
CORPORATE SOURCE: Ruan, Li; Liang, Pingyan
Inst. Microbiol., Acad. Sin, Beijing, Peop. Rep. China
SOURCE: Weishengwu Xuebao (1990), 30(1), 16-21
CODEN: WSHPA8; ISSN: 0001-6209
DOCUMENT TYPE: Journal
LANGUAGE: Chinese

L4 ANSWER 45 OF 45 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1986:221612 CAPLUS
DOCUMENT NUMBER: 104:221612
TITLE: Study on granulosis virus of Agrotis segetum (AsGV).
VI. Preparation and characterization of homologous
and uniform DNA molecules
AUTHOR(S): ***Cao, Xu*** ; Pei, Meiyun; Wang, Xiaofeng; Ai,
Xiulian; Liu, Yanna; Wu, Zuyin; Shi, Yuhu
CORPORATE SOURCE: Inst. Microbiol., Acad. Sin., Beijing, Peop. Rep.
China
SOURCE: Weishengwu Xuebao (1986), 26(1), 31-4
CODEN: WSHPA8; ISSN: 0001-6209
DOCUMENT TYPE: Journal
LANGUAGE: Chinese

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E1 2 SHI XINGLI/AU
E2 2 SHI XINGLIN/AU
E3 24 --> SHI XINGMING/AU
E4 1 SHI XINGREN/AU
E5 3 SHI XINGSHENG/AU
E6 1 SHI XINGUANG/AU
E7 2 SHI XINGWANG/AU
E8 1 SHI XINGWEN/AU
E9 4 SHI XINGYING/AU
E10 1 SHI XINGYUAN/AU
E11 2 SHI XINGZHONG/AU
E12 2 SHI XINHUA/AU

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L5 24 "SHI XINGMING"/AU

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L6 12 L5 NOT L4

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L6 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:205945 CAPLUS
DOCUMENT NUMBER: 136:338578
TITLE: Jab1 antagonizes TGF-.beta. signaling by inducing
Smad4 degradation
AUTHOR(S): Wan, Mei; Cao, Xuesong; Wu, Yalei; Bai, Shuting; Wu,
Liyu; ***Shi, Xingming*** ; Wang, Ning; Cao, Xu
CORPORATE SOURCE: Department of Pathology, University of Alabama at
Birmingham School of Medicine, Birmingham, AL,
35294-0019, USA
SOURCE: EMBO Reports (2002), 3(2), 171-176
CODEN: ERMEAX; ISSN: 1469-221X
PUBLISHER: Oxford University Press
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:461500 CAPLUS
DOCUMENT NUMBER: 135:267177
TITLE: Studies on judging index of extracting technology of
root of Angelica dahurica in treating headache
AUTHOR(S): Wei, Yuping; Liu, Jun; Yan, Xiaolin; Yao, Xin; Zheng,
Chenggui; Chen, Qianjin; Tian, Liwu; ***Shi, ***
*** Xingming***

SOURCE: College, Beijing, 100071, Peop. Rep. China

PUBLISHER: Zhongcaoyao (2001), 32(4), 318-319

DOCUMENT TYPE: CODEN: CTYAD8; ISSN: 0253-2670

LANGUAGE: Journal

Chinese

L6 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1997:511960 CAPLUS

DOCUMENT NUMBER: 127:184891

TITLE: 1990-1994 achievements of gold analysis in China

AUTHOR(S): Yang, Bingyu; Feng, Yuhuan; ***Shi, Xingming***

CORPORATE SOURCE: Inst. Precious Metals Engineering, Xi'an Univ.

Architecture & Technology, Xi'an, 710055, Peop. Rep.

China

SOURCE: Yejin Fenxi (1996), 16(6), 29-32

PUBLISHER: CODEN: YEFEET; ISSN: 1000-7571

DOCUMENT TYPE: Yejinbu Gangtie Yanjiu Zongyuan

LANGUAGE: Journal; General Review

Chinese

L6 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1986:427464 CAPLUS

DOCUMENT NUMBER: 105:27464

TITLE: Metamorphic sequence of Hulan Group, Hongqiling, Jilin Province [China]

AUTHOR(S): ***Shi, Xingming*** ; Lan, Yuqi

CORPORATE SOURCE: Changchun Coll. Geol., Changchun, Peop. Rep. China

SOURCE: Changchun Dizhi Xueyuan Xuebao (1985), (4), 39-46, 56

DOCUMENT TYPE: CODEN: CTCPDB; ISSN: 0253-6072

LANGUAGE: Journal

Chinese

L6 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1985:152425 CAPLUS

DOCUMENT NUMBER: 102:152425

TITLE: Precambrian volcanic sedimentary cycles, Qian-An, eastern Hebei [China]

AUTHOR(S): Lan, Yuqi; ***Shi, Xingming***

CORPORATE SOURCE: Changchun Coll. Geol., Changchun, Peop. Rep. China

SOURCE: Changchun Dizhi Xueyuan Xuebao (1984), (3), 14-25

DOCUMENT TYPE: CODEN: CTCPDB; ISSN: 0253-6072

LANGUAGE: Journal

Chinese

L6 ANSWER 6 OF 12 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 2002:229177 BIOSIS

DOCUMENT NUMBER: PREV200200229177

TITLE: Jab1 antagonizes TGF-beta signaling by inducing Smad4 degradation.

AUTHOR(S): Wan, Mei; Cao, Xuesong; Wu, Yalei; Bai, Shuting; Wu, Liyu; ***Shi, Xingming*** ; Wang, Ning; Cao, Xu (1)

CORPORATE SOURCE: (1) Department of Pathology, University of Alabama at Birmingham School of Medicine, 1670 University Boulevard, VH G002, Birmingham, AL, 35294-0019: cao@path.uab.edu USA

SOURCE: EMBO Reports, (February, 2002) Vol. 3, No. 2, pp. 171-176. <http://www.embo-reports.oupjournals.org. print.>

ISSN: 1469-221X.

DOCUMENT TYPE: Article

LANGUAGE: English

L6 ANSWER 7 OF 12 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 2001:514787 BIOSIS

DOCUMENT NUMBER: PREV200100514787

TITLE: Inhibition of binding of Hox and homeodomain-containing proteins and uses thereof.

AUTHOR(S): Cao, Xu (1); ***Shi, Xingming*** ; Yang, Xiangli

CORPORATE SOURCE: (1) Birmingham, AL USA

PATENT INFORMATION: ASSIGNEE: UAB Research Foundation

SOURCE: US 6284464 September 04, 2001

Official Gazette of the United States Patent and Trademark Office Patents, (Sep. 4, 2001) Vol. 1250, No. 1, pp. No Pagination. e-file.

ISSN: 0098-1133.

DOCUMENT TYPE: Patent

LANGUAGE: English

L6 ANSWER 8 OF 12 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2001:283599 BIOSIS
DOCUMENT NUMBER: PREV200100283599
TITLE: Hoxa-9 represses transforming growth factor-beta-induced osteopontin gene transcription.
AUTHOR(S): ***Shi, Xingming*** ; Bai, Shuting; Li, Lina; Cao, Xu (1)
COPORATE SOURCE: (1) University of Alabama at Birmingham, 1670 University Blvd., Volker Hall/G002, Birmingham, AL, 35294: cao@path.uab.edu USA
SOURCE: Journal of Biological Chemistry, (January 5, 2001) Vol. 276, No. 1, pp. 850-855. print.
ISSN: 0021-9258.
DOCUMENT TYPE: Article
LANGUAGE: English
SUMMARY LANGUAGE: English

L6 ANSWER 9 OF 12 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2001:209746 BIOSIS
DOCUMENT NUMBER: PREV200100209746
TITLE: Transcriptional mechanisms of bone morphogenetic protein-induced osteoprotegerin gene expression.
AUTHOR(S): Wan, Mei; ***Shi, Xingming*** ; Feng, Xu; Cao, Xu (1)
COPORATE SOURCE: (1) 1670 University Blvd., VH G002, Birmingham, AL, 35294-0019: Cao@path.uab.edu USA
SOURCE: Journal of Biological Chemistry, (March 30, 2001) Vol. 276, No. 13, pp. 10119-10125. print.
ISSN: 0021-9258.
DOCUMENT TYPE: Article
LANGUAGE: English
SUMMARY LANGUAGE: English

L6 ANSWER 10 OF 12 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2000:403715 BIOSIS
DOCUMENT NUMBER: PREV200000403715
TITLE: Smad1 domains interacting with Hoxc-8 induce osteoblast differentiation.
AUTHOR(S): Yang, Xiangli; Ji, Xiaohui; ***Shi, Xingming*** ; Cao, Xu (1)
COPORATE SOURCE: (1) 1670 University Blvd., VH G002, Birmingham, AL, 35294 USA
SOURCE: Journal of Biological Chemistry, (January 14, 2000) Vol. 275, No. 2, pp. 1065-1072. print.
ISSN: 0021-9258.
DOCUMENT TYPE: Article
LANGUAGE: English
SUMMARY LANGUAGE: English

L6 ANSWER 11 OF 12 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2000:346677 BIOSIS
DOCUMENT NUMBER: PREV200000346677
TITLE: Smad6 as a transcriptional corepressor.
AUTHOR(S): Bai, Shuting; ***Shi, Xingming*** ; Yang, Xiangli; Cao, Xu (1)
COPORATE SOURCE: (1) 1670 University Blvd., VH G002, Birmingham, AL, 35294-0019 USA
SOURCE: Journal of Biological Chemistry, (March 24, 2000) Vol. 275, No. 12, pp. 8267-8270. print.
ISSN: 0021-9258.
DOCUMENT TYPE: Article
LANGUAGE: English
SUMMARY LANGUAGE: English

L6 ANSWER 12 OF 12 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1999:262978 BIOSIS
DOCUMENT NUMBER: PREV199900262978
TITLE: Smad1 interacts with homeobox DNA-binding proteins in bone morphogenetic protein signaling.
AUTHOR(S): ***Shi, Xingming*** ; Yang, Xiangli; Chen, Di; Chang, Zhijie; Cao, Xu (1)
COPORATE SOURCE: (1) 1670 University Blvd., VH G002, Birmingham, AL, 35294-0019 USA
SOURCE: Journal of Biological Chemistry, (May 7, 1999) Vol. 274, No. 19, pp. 13711-13717.
ISSN: 0021-9258.
DOCUMENT TYPE: Article

SUMMARY LANGUAGE: English

=> e bai shuting/au

E1 1 BAI SHUSHI/AU
E2 1 BAI SHUSONG/AU
E3 18 --> BAI SHUTING/AU
E4 1 BAI SHUXANG/AU
E5 1 BAI SHUXIA/AU
E6 2 BAI SHUXIANG/AU
E7 9 BAI SHUXIN/AU
E8 1 BAI SHUYA/AU
E9 11 BAI SHUYING/AU
E10 2 BAI SHUYU/AU
E11 1 BAI SHUYUN/AU
E12 8 BAI SHUZHEN/AU

=> s e3

L7 18 "BAI SHUTING"/AU

=> s 17 not 14

L8 12 L7 NOT L4

=> s 17 not 15

L9 9 L7 NOT L5

=> dup rem 19

PROCESSING COMPLETED FOR L9

L10 5 DUP REM L9 (4 DUPLICATES REMOVED)

=> d 110 ibib tot

L10 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:471443 CAPLUS
TITLE: Regulation of enhanced vacuolar H+-ATPase expression
in macrophages
AUTHOR(S): Wang, Shui-Ping; Krits, Irina; Lu, Yan; ***Bai,***
*** Shuting*** ; Lee, Beth S.
SOURCE: Journal of Biological Chemistry (2002), 277(23), 21110
CODEN: JBCHA3; ISSN: 0021-9258
PUBLISHER: American Society for Biochemistry and Molecular
Biology
DOCUMENT TYPE: Journal; Errata
LANGUAGE: English

L10 ANSWER 2 OF 5 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 2002:499094 BIOSIS
DOCUMENT NUMBER: PREV200200499094
TITLE: (Correction of Previews 200200254872. Regulation of
enhanced vacuolar H+-ATPase expression in macrophages.
Correction of author names.
AUTHOR(S): Wang, Shui-Ping; Krits, Irina; Lu, Yan; ***Bai,***
*** Shuting*** ; Lee, Beth S. (1)
CORPORATE SOURCE: (1) Department of Physiology and Cell Biology, Ohio State
University, 1645 Neil Avenue, 302 Hamilton Hall, Columbus,
OH, 43210: lee.2076@osu.edu USA
SOURCE: Journal of Biological Chemistry, (June 7, 2002) vol. 277,
No. 23, pp. 21110. <http://www.jbc.org/>. print.
ISSN: 0021-9258.
DOCUMENT TYPE: Article
LANGUAGE: English

L10 ANSWER 3 OF 5 MEDLINE DUPLICATE 1

ACCESSION NUMBER: 2002154692 MEDLINE
DOCUMENT NUMBER: 21883986 PubMed ID: 11786555
TITLE: Regulation of enhanced vacuolar H+-ATPase expression in
macrophages.
AUTHOR: Wang Shui-Ping; Krits Irina; ***Bai Shuting*** ; Lee
Beth S
CORPORATE SOURCE: Renal Division, Washington University School of Medicine,
St. Louis, Missouri 63110, USA.
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (2002 Mar 15) 277 (11)
8827-34.
PUB. COUNTRY: Journal code: 2985121R. ISSN: 0021-9258.
DOCUMENT TYPE: United States
Journal; Article; (JOURNAL ARTICLE)

FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-AF366932
ENTRY MONTH: 200204
ENTRY DATE: Entered STN: 20020312
Last Updated on STN: 20030105
Entered Medline: 20020405

L10 ANSWER 4 OF 5 MEDLINE DUPLICATE 2
ACCESSION NUMBER: 2002113327 MEDLINE
DOCUMENT NUMBER: 21683518 PubMed ID: 11711531
TITLE: A nuclear antagonistic mechanism of inhibitory Smads in transforming growth factor-beta signaling.
AUTHOR: ***Bai Shuting*** ; Cao Xu
CORPORATE SOURCE: Department of Pathology, University of Alabama at Birmingham School of Medicine, Birmingham, Alabama 35294, USA.
CONTRACT NUMBER: DK 53757 (NIDDK)
DK 57501 (NIDDK)
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (2002 Feb 8) 277 (6)
4176-82.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200203
ENTRY DATE: Entered STN: 20020216
Last Updated on STN: 20030105
Entered Medline: 20020305

L10 ANSWER 5 OF 5 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1999:267427 BIOSIS
DOCUMENT NUMBER: PREV199900267427
TITLE: Desmoplastic fibroma of bone.
AUTHOR(S): Yang Rongli (1); Xu Wanpeng (1); ***Bai Shuting (1)***
CORPORATE SOURCE: (1) Department of Orthopedics, People's Hospital of Beijing Medical University, Beijing China
SOURCE: Zhongguo Zhongliu Linchuang, (Feb. 20, 1999) vol. 26, No. 2, pp. 133-136.
ISSN: 1000-8179.
DOCUMENT TYPE: Article
LANGUAGE: Chinese
SUMMARY LANGUAGE: Chinese; English

=>

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Executing the logoff script...

=> LOG H

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
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